

**Fairbanks International Airport: Terminal Heating,
Ventilation and Air Conditioning System Improvements**

FY2002 Request: \$2,700,000
Reference No: 34630

AP/AL: Allocation

Project Type: Renewal and Replacement

Category: Transportation

Location: Fairbanks Areawide

Contact: Kurt Parkan

Election District: Fairbanks Areawide

Contact Phone: (907)465-3900

Estimated Project Dates: 07/01/2001 - 06/30/2006

Appropriation: Airport Improvement Program

Brief Summary and Statement of Need:

This project will convert the existing electric heating system which serves approximately 60 % of the terminal to an oil or gas fired hydronic system, install a direct digital control system and modify old technology air handling systems to newer systems which comply with current building standards and codes. This will improve the energy efficiency of the heating system, improve comfort of occupants and ensure that adequate fresh air is being introduced during the winter months.

Funding:

	FY2002	FY2003	FY2004	FY2005	FY2006	FY2007	Total
Fed Rcpts	\$2,517,800						\$2,517,800
IntAptCons	\$182,200						\$182,200
Total:	\$2,700,000	\$0	\$0	\$0	\$0	\$0	\$2,700,000

<input checked="" type="checkbox"/> State Match Required	<input checked="" type="checkbox"/> One-Time Project	<input type="checkbox"/> Phased Project	<input type="checkbox"/> On-Going Project
7% = Minimum State Match % Required	<input type="checkbox"/> Amendment	<input type="checkbox"/> Mental Health Bill	

Operating & Maintenance Costs:

	<u>Amount</u>	<u>Staff</u>
Total Operating Impact:	0	0
One-Time Startup Costs:	0	
Additional Estimated Annual O&M:	0	0

Prior Funding History / Additional Information:

None.

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The FIA terminal building was originally constructed in 1952 and has had four major expansions and many renovations and remodels. Each addition and modification included changes and/or additions to the HVAC systems. As a result, the mechanical systems are an assortment of heating, ventilation and air conditioning technology, which are inefficient to operate and do not meet current ASHRE standards pertaining to indoor air quality.